

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (canceled).

Claim 14 (currently amended). A photocurable composition comprising:

- (a) an epoxy component containing one or more epoxy compounds with from 0 to no more than ~~[[less than 30%]]~~ 5% of the epoxy component being a glycidyl epoxy compound;
- (b) a (meth)acrylate component containing one or more multifunctional (meth)acrylates comprising trimethylolpropane ethoxylated triacrylate and wherein the one or more methacrylates contain no hydroxyl groups and;
 - [[(i) contain no hydroxyl groups; or
 - (ii) contain hydroxyl groups, but have a hydroxyl equivalent weight of 500 grams or less]];
- (c) a component ~~[[containing two or more hydroxyl groups]]~~ comprising propoxylated glycerine;
- (d) a cationic photoinitiator; and
- (e) a free radical photoinitiator

wherein the composition contains at least about 4% by weight and at most 20% by weight of component (b) and about 0.01 % to about 10% by weight of component (c) and wherein the composition after cure has a yellow index/inch value of less than 80.

Claim 15 (withdrawn). The photocurable composition of claim 14 wherein the one or more multifunctional (meth)acrylates comprise a pentaerythritol (meth)acrylate.

Claim 16 (withdrawn). The photocurable composition of claim 15 wherein the pentaerythritol (meth)acrylate comprises pentaerythritol triacrylate and/or pentaerythritol tetraacrylate.

Claim 17 (withdrawn). The photocurable composition of claim 14 wherein the one or more multifunctional (meth)acrylates comprise a dipentaerythritol (meth)acrylate.

Claim 18 (withdrawn). The photocurable composition of claim 17 wherein the dipentaerythritol (meth)acrylate is dipentaerythritol hexaacrylate.

Claims 19-20 (canceled).

Claim 21 (previously presented). The photocurable composition of claim 14 wherein component (c) has a molecular weight of 1500 or less.

Claim 22-24 (canceled).

Claim 25 (currently amended). A photocurable composition comprising:

- (a) a cationically curable component formed from one or more epoxy compounds with from 0 to no more than 5% of the curable component being a glycidyl epoxy compound;

- (b) a (meth)acrylate component comprising trimethylolpropane ethoxylated triacrylate and wherein the methacrylate component contains no hydroxyl groups;
- (c) a polyol component comprising propoxylated glycerine [[a polyether polyol]] ;
- (d) a cationic photoinitiator; and
- (e) a free radical photoinitiator

wherein the composition contains at least about 4% by weight and at most 20% by weight of component (b) and about 0.01 % to about 10% by weight of component (c) and wherein the composition after cure has a yellow index/inch value of less than 80.

Claim 26 (withdrawn). The photocurable composition of claim 25 wherein the (meth)acrylate component comprises dipentaerythritol hexaacrylate.

Claim 27 (currently amended). A photocurable composition comprising:

- (a) a cationically curable component formed from one or more epoxy compounds with from 0 to no more than 5% of the curable component being a glycidyl epoxy compound;
- (b) a (meth)acrylate component [[containing an alkoxyated acrylate]] comprising trimethylolpropane ethoxylated triacrylate and wherein the methacrylate component contains no hydroxyl groups;
- (c) a polyol component comprising propoxylated glycerine [[a polyether polyol]];

(d) a cationic photoinitiator; and

(e) a free radical photoinitiator

wherein the composition contains at least about 4% by weight and at most 20% by weight of component (b) and about 0.01 % by to about 10% by weight of component (c) and wherein the composition after cure has a yellow index/inch value of less than 80.

Claim 28 -29 (canceled).

Claim 30 (withdrawn). A process for producing a three-dimensional article in sequential cross-sectional layers in accordance with a model of the article, the process comprising the steps of:

- (1) forming a first layer of the photocurable composition of claim 14;
- (2) exposing the first layer to actinic radiation in a pattern corresponding to a respective cross-sectional layer of the model sufficient to harden the first layer in the imaged area;
- (3) forming a second layer of the photocurable composition of claim 14 above the hardened first layer;
- (4) exposing the second layer to actinic radiation in a pattern corresponding to a respective cross-sectional layer of the model sufficient to harden the second layer in the imaged area; and
- (5) repeating steps (3)-(4) to form successive layers to form the three-dimensional article.

Claim 31 (withdrawn). A process for forming a three-dimensional article in sequential cross-sectional layers in accordance with a model of the article, the process comprising the steps of: depositing droplets of the photocurable composition of claim 14 onto a substrate in a pattern corresponding to a cross-sectional layer of the model so that adjacent droplets merge together; repeating this step to form successive layers; and applying actinic radiation to cure the photocurable composition of claim 14, pixel-by-pixel, line-by-line, layer-by-layer, after several layers have been formed and/or after all the layers have been formed to form the three-dimensional article.

Claim 32 (withdrawn). A three-dimensional article produced according to the process of claim 30.

Claim 33 (withdrawn). A three-dimensional article produced according to the process of claim 31.